

## Tree Health Assessment



Tree Health Evaluation Form must be completed by a certified arborist. One evaluation form per tree. \_\_\_\_\_ MAP/LOCATION: \_\_\_\_\_ DATE OF LAST INSPECTION: ARBORIST CERTIFICATION #: ARBORIST NAME: I. TREE CHARACTERISTICS TREE #\_\_\_\_ SPECIES: \_ HEIGHT: \_\_\_\_ DBH: \_\_\_\_\_ # OF TRUNKS: \_\_\_\_\_ SPREAD: **FORM:**  $\square$  Generally Symmetric  $\square$  Minor Asymmetry ☐ Major Asymmetry ☐ Stump Sprout ☐ Stag-headed CROWN CLASS: 

Dominant ☐ Co-Dominant ☐ Intermediate □ Suppressed ☐ Semi-Mature ☐ Mature ☐ Over-Mature/Senescent PRUNING HISTORY: ☐ Crown cleaned ☐ Excessively Thinned ☐ Topped ☐ Crown Raised ☐ Crown Reduced ☐ Flush Cuts ☐ Pollarded ☐ None ☐ Cabled/braced ☐ Multiple Pruning Events Approximate Dates:\_\_\_ SPECIAL VALUE ☐ Specimen ☐ Heritage/Historic □ Wildlife ☐ Unusual ☐ Street Tree ☐ Screen □ Shade □ Indigenous ☐ Protected by Government Agency II. TREE HEALTH □ Normal ☐ Chlorotic ☐ Necrotic FOLIAGE COLOR: FOLIAGE DENSITY: □ Normal **EPICORMICS?** □ Sparse N □ Normal LEAF SIZE: □ Small TWIG DIEBACK? **ANNUAL SHOOT GROWTH:** ☐ Excellent □ Average ☐ Poor **WOUNDWOOD DEVELOPMENT:** ☐ Excellent □ Average ☐ Poor □ None ☐ Poor VIGOR CLASS: ☐ Excellent □ Average □ Fair **GROWTH OBSTRUCTIONS:** □ Stakes ☐ Wires/ties □ Signs □ Cables ☐ Curb/Pavement ☐ Guard ☐ Other: \_\_ MAJOR PESTS/DISEASES: \_\_ III. SITE CONDITIONS SITE CHARACTER: ☐ Residence ☐ Commercial ☐ Industrial □ Park □ Natural □ Woodland/Forest ☐ Open Space **LANDSCAPE TYPE:** ☐ Parkway ☐ Raised Bed ☐ Container  $\square$  Mound ☐ Windbreak □ Lawn ☐ Shrub Border **IRRIGATION:** □ None □ Inadequate ☐ Adequate ☐ Trunk wetted ☐ Excessive RECENT SITE DISTURBANCE? Y N ☐ Grade Change ☐ Line clearing ☐ Site Clearing ☐ Construction ☐ Soil Disturbance % DRIPLINE PAVED: 0% 10-25% 26-50% 51-75% 76-100% PAVEMENT LIFTED? Y N % Dripline with fill soil: 0% 10-25% 26-50% 51-75% 76-100% 26-50% 51-75% % Dripline Grade Lowered: 0% 10-25% 76-100%

III. SITE CONDITIONS, CONTINUED							
SOIL PROBLEMS:	rainage Ikaline	☐ Shallow	□ Small V	acted Droughty olume Disease ( Aspect_	Center $\square$ His	line tory of Fail	
	Lights Traffic		Signage Overland Lines	<ul><li>□ Underground Utili</li><li>□ Adjacent Vegeto</li></ul>		ne-of-Sight	
EXPOSURE TO WIND:  Single Tree  Below Canopy  Above Canopy  Recently Exposure to Windward, Canopy Edge  Area prone to windthrow						ecently Exposed	
Prevailing Wind Direction: Occurrence of Snow/Ice Storms: ☐ Never ☐ Seldom ☐ Regularly							
IV. TREE STRUCTURE							
SUSPECTED ROOT ROT: Y N							
H=high, M= modera		ct Area	Defect Severity	Defect	Defeat Avec	T	
				Delect	Defect Area	Defect Severity	
Poor Taper	20.0			Decay	Defect Area	Defect Severity	
			Delegation		Detect Area	Defect Severity	
Poor Taper				Decay	ретест агеа	Defect Severity	
Poor Taper Bow, Sweep				Decay Cavity	Detect Area	Defect Severity	
Poor Taper Bow, Sweep Co-Dominants, Forks				Decay Cavity Conks/Mushroom/Bracket	Detect Area	Defect Severity	
Poor Taper Bow, Sweep Co-Dominants, Forks Multiple Attachments				Decay Cavity Conks/Mushroom/Bracket Bleeding/Sap Flow	Detect Area	Defect Severity	
Poor Taper  Bow, Sweep  Co-Dominants, Forks  Multiple Attachments  Included Bark				Decay Cavity Conks/Mushroom/Bracket Bleeding/Sap Flow Loose/Cracked Bark	Detect Area	Defect Severity	
Poor Taper Bow, Sweep Co-Dominants, Forks Multiple Attachments Included Bark Excessive End Weight				Decay Cavity Conks/Mushroom/Bracket Bleeding/Sap Flow Loose/Cracked Bark Nesting Hole/Bee Hive	Detect Area	Defect Severity	
Poor Taper Bow, Sweep Co-Dominants, Forks Multiple Attachments Included Bark Excessive End Weight Cracks/Splits				Decay Cavity Conks/Mushroom/Bracket Bleeding/Sap Flow Loose/Cracked Bark Nesting Hole/Bee Hive Deadwood/Stubs	Detect Area	Defect Severity	
Poor Taper Bow, Sweep Co-Dominants, Forks Multiple Attachments Included Bark Excessive End Weight Cracks/Splits Hangers				Decay Cavity Conks/Mushroom/Bracket Bleeding/Sap Flow Loose/Cracked Bark Nesting Hole/Bee Hive Deadwood/Stubs Borers/termite/ants	Detect Area	Defect Severity	
Poor Taper Bow, Sweep Co-Dominants, Forks Multiple Attachments Included Bark Excessive End Weight Cracks/Splits Hangers Girdling Wounds/Seam				Decay Cavity Conks/Mushroom/Bracket Bleeding/Sap Flow Loose/Cracked Bark Nesting Hole/Bee Hive Deadwood/Stubs Borers/termite/ants Cankers/Galls/Burl	Detect Area	Defect Severity	
Poor Taper Bow, Sweep Co-Dominants, Forks Multiple Attachments Included Bark Excessive End Weight Cracks/Splits Hangers Girdling				Decay Cavity Conks/Mushroom/Bracket Bleeding/Sap Flow Loose/Cracked Bark Nesting Hole/Bee Hive Deadwood/Stubs Borers/termite/ants Cankers/Galls/Burl Previous Failure		Defect Severity  POINTS	
Poor Taper Bow, Sweep Co-Dominants, Forks Multiple Attachments Included Bark Excessive End Weight Cracks/Splits Hangers Girdling Wounds/Seam  V. RISK RATING			n <b>4 inches</b> in diamet	Decay Cavity Conks/Mushroom/Bracket Bleeding/Sap Flow Loose/Cracked Bark Nesting Hole/Bee Hive Deadwood/Stubs Borers/termite/ants Cankers/Galls/Burl Previous Failure			
Poor Taper Bow, Sweep Co-Dominants, Forks Multiple Attachments Included Bark Excessive End Weight Cracks/Splits Hangers Girdling Wounds/Seam  V. RISK RATING SIZE OF DEFECTIVE PART		Parts less that		Decay Cavity Conks/Mushroom/Bracket Bleeding/Sap Flow Loose/Cracked Bark Nesting Hole/Bee Hive Deadwood/Stubs Borers/termite/ants Cankers/Galls/Burl Previous Failure			
Poor Taper Bow, Sweep Co-Dominants, Forks Multiple Attachments Included Bark Excessive End Weight Cracks/Splits Hangers Girdling Wounds/Seam  V. RISK RATING SIZE OF DEFECTIVE PART 1 Point		Parts less that	n <b>4 inches</b> in diamet	Decay Cavity Conks/Mushroom/Bracket Bleeding/Sap Flow Loose/Cracked Bark Nesting Hole/Bee Hive Deadwood/Stubs Borers/termite/ants Cankers/Galls/Burl Previous Failure   1 POINT 2			

This category can be used if professional judgment suggests the need to increase the risk rating. It can also be used if the tree is likely to fail before the next scheduled risk inspection.

V. F	RISK RATIN	IG, CONTIN	UED				
DESCR	ription & Se	VERITY:					
	ART MOST LIK CTION PERIOD ABILITY OF F		annual biannual other  1 POINT				
	1	AILURE					
	Risk	Description	Part Description				
1	Low	Some minor defects	<ul> <li>Minor branch/crown dieback</li> <li>Minor defects or wounds</li> </ul>				
2	Moderate	Several moderate defects present	<ul> <li>Indicators of advanced decay are found on 25-40% of circumference of any stem, branch, or root collar.</li> <li>Shell thickness is &gt;1 and &lt;2 inches of sound wood for each 6 inches of stem diameter and stem has opening &lt; 30% of stem circumference.</li> <li>Stem has a single crack and decay</li> <li>Roots within the area defined by the Critical Root Radius are less than or equal to 40% damaged, decayed, severed, or dead.</li> <li>Branch union has included bark.</li> <li>Canker or canker plus decay affect 25-40% of tree's circumference</li> <li>Branch has a sharp bend or twist.</li> <li>Large horizontal branch with several vertical branches on it.</li> </ul>				
3	High	Multiple <b>or</b> significant defects present	<ul> <li>Indicators of advanced decay are found on more than 40% of the circumference of any stem, branch or root collar.</li> <li>Stem has advanced decay and the shell thickness is either less than 1 inch of sound wood for each 6 inches of stem diameter, or stem has opening greater than 30% of the stem circumference and shell thickness is less than 2 inches of sound wood for each 6 inches of stem diameter.</li> <li>Stem is split in two by a crack or branch has a crack.</li> <li>Stem segment has multiple cracks and decay.</li> <li>Leaning tree with recent evidence of root lifting, soil movement or soil mounding.</li> <li>Roots within the area defined by the Critical Root Radius are more than 40% damaged, decayed, severed, or dead.</li> <li>Weak union is also cracked, cankered, or decayed.</li> <li>Large epicormic branch on decaying stem.</li> <li>Canker or canker plus decay affect more than 40% of tree's circumference.</li> <li>Tree with excessive lean (more than 40%).</li> <li>Leaning tree has a crack in stem or canker or decay on lower stem.</li> <li>Leaning tree has a horizontal crack on the upper side of the lean and/or buckling bacrk and wood on lower side.</li> <li>Any lodged branch.</li> <li>Any dead tree, tree top, or branch.</li> </ul>				
4	Severe	Multiple <b>AND</b> s	lultiple <b>AND</b> significant defects present listed under "High" risk; visual obstruction of traffic signs/ lights or intersections				
Descr	RIPTION & CO	DMMENTS:					
		I <b>G (Size of Pa</b> Low (0-1 poir	nts)				
VI.	RISK ABA	TEMENT					
PRUNE	:□ Remov		part  Reduce end weight  Crown clean  Thin  Raise canopy  Restructure  Shape				
CABLE	/Brace:						
	VE TREE?	Y N					